

ID	PAIR	FORWARD	REVERSE	SEQ ID	NO:	LOCATION	SIZE
disc01	f2/r2	CATTAGCTGCTGATAGTCTTC	TAAGGACAGAACATTCGCTG	44	45	exon9	353
disc02	f3/r3	TTATTCAATTGAGTCACTGAGTTGC	CACCTGCTCTTTCATGATG	46	47	exon10	280
disc03	f1/r2	GGTATGATGAACATCACTGAGTTTC	CTAAGTCATCCATGCTCCTCATC	48	49	exon11	191
disc04/29	f1/r1	GAGCTACAGCTCCAGGAAG	GAGCATGCTCCCAAGAAC	50	51	exon11/11'	265
disc05	f2/r2	GAGCTCCCTTGTGTCTGTC	CGGACGATCTATTGTGTCATC	52	53	exon12	297
disc06	f1/r2	GCAGAGGGGCCAGTACC	CATCCCGTCACTCTCAGGC	54	55	exon13	203
disc07	f1/r1	CATGACAGCTGCTCCAGAG	CAATCAGCTCTCTCCATATTC	56	57	exon13	242
disc08	f1/r1	CAGTGAAGCTGAGAGCTGC	CGTGAACAGGATGATGACAGATC	58	59	exon13	296
disc09	f1/r1	CATTGCTCTGCTGCAACG	CTTCTTCAGATGCAATCATTTGCCAC	60	61	exon13	299
disc10	f1/r1	CAACCTCCAGATATGACC	CTGCTTACTGAGCATGCACTG	62	63	exon13	320
disc11	f2/r3	CAGTAACAATACTACTCAGGC	CTGCACTGTGTACTGAGCATTGC	64	65	exon13	292
disc12	f2/r1	CTCAGGAGTGAATCTCAGTG	ACTAGCTGCCCTGTGTACTGAG	66	67	exon13	303
disc13	f1/r1	GTGTAGTCTCAGTAGAAGAC	GTACTGACCAAGAGGTAATC	68	69	exon13	297
disc14	f1/r2	CAAGTGACCTGAGGAAGTG	GTGATGTAATCAGAGTTGACTGG	70	71	exon13	311
disc15	f2/r3	CTCCTATTCAATCCATAGATCTAG	CAGAAGTGCTGACAGCATG	72	73	exon13	335
disc16	f2/r2	CACCTGCTTCCAGAAAGCATC	CACCTGGAATTAATCAAGATTCC	74	75	exon13	336
disc17	f2/r2	CATTTCATGATGAACCAATTCTG	GCAGCAGGGAATGAACACTATC	76	77	exon13	376
disc18	f2/r1	CTGCAAGTAATACTGCTTGAATG	CTGCTGTATGATGATGAGATAC	78	79	exon13	307
disc19	f2/r1	CAACCTTCTCAGACCAAGCCAC	GTGACCTATTGAAGCCAGCATTC	80	81	exon13	314
disc20	f1/r2	GTTAGAATCTGATTTGATGGATG	CTTGGAAGCTGAGGAGATAG	82	83	exon13	295
disc21	f2/r1	GCACATACTGGAATGATGAGTAG	ATGCTGTAAACCCAGCTACTTG	84	85	exon13	334
disc22	f1/r2	CTCTACCTCCAGGTTCAAGC	GGTACCAACCGTTACATGTTCTGG	86	87	exon13	342
disc23	f2/r2	GCACCCGCGCACTTCTG	CTCTGACTGTAGGTTCACTATTAC	88	89	exon13	306
disc24	f1/r1	CTAAGGACAGAGCTGTAAATG	GTATGATGTGGGTGAATAGG	90	91	exon13	292
disc25	f2/r2	AGCCTCACTGTGAAGCTAGGC	GTATCATCCATCACTTCAAAAGAC	92	93	exon13	403
disc26	f1/r1	CACCTGCTCTGATTTTAACTG	GAGGACAAACACGATGTGCTGG	94	95	exon8	240
disc27	f2/r2	CTGCTGAGGAGAAAGAGAGC	GGCACGCCCTGACCTAAGC	96	97	exon1	316
disc28	f2/r2	CTGTAGTGTATGATTTGTGTTACC	CAGAAAGCACTCTCTCTGGCTC	98	99	exon7	287
disc30	f2/r1	GCCATGCTGAAAGAAACAGC	TGCCAGCTCCTCCGCTC	100	101	5'/promoter	168
disc31	f1/r1	CATCCCTCCATCTTCCATCAC	CACGCTGCTGAGCGGC	102	103	5'/promoter	207
disc32	f2/r2	GAGTCACTGCTGAGGAGCTTGC	GTGCAAGAAAGCTCCAGGATG	104	105	5'/promoter	279
disc33	f1/r2	CCTATCCCTGAACCATTTGCAAGAG	CAGCAAGCTCCGGCTGGTTC	106	107	5'/promoter	300
disc34	f1/r2	CTGGCCAGTGAATCTGCATG	GAAACAGGGCTCCGACCAAG	108	109	exon2	285
disc35	f1/r1	CCAGACAGTGTGGCTTGAATC	GGGTGCAAGTGTGTACTCAAC	110	111	exon2	318
disc36	f1/r1	CTGCAGCATGAGCAAGGC	ACATCGCGGGTCTCTGTGAG	112	113	exon2	295
disc37	f1/r2	CAGAGAGGCTGAGTCCCATTTG	GCATGGGCTCCCATTTCTGAG	114	115	exon2	314
disc38	f1/r1	CCAGTCTGTGATTCCTCTCAC	GAGGAAGTCAATTGAGCCAGAAC	116	117	exon2	246
disc39	f2/r1	CAGTTCTTAATGTTCTTATTTTAC	GATGGAAGAAGAAATTTGGACATGATGAC	118	119	exon3	215
disc40	f2/r1	GTTCACTACAACTGAGCTAAGAG	CTATGTGGAGCTGAGAGGTAGG	120	121	exon4	308
disc41	f1/r2	CATGAGATTTCACTTCTGCATAC	GAGCTATGATTTGACCACTGCC	122	123	exon5	291
disc42	f2/r2	CGACCTGACCCCACTGGTG	GACTGCCCCACACCGTGAAG	124	125	exon6	300
disc43	f4/r2	GTTGTAAGTCTGCTGATATATGGC	GCATGGAAGGAATCTGACC	126	127	exon6	327

FIGURE 4



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ID	PAIR	FORWARD	REVERSE	SEQ ID	LOCATION	SIZE
disc01	f2/r2	CATTAGCTGCTGTAGATCTCC	TAAGGCACAGAACATCTGCCTG	450	exon9	353
disc02	f3/r3	TTATTCATTTGTGACTGCAGTTGC	CACCTGCTCTTTCACTGATGG	452	exon10	280
disc03	f1/r2	GGTATGATGAACATCACTGAGTTC	CTAAGTCATCCATCTGCCTCTCATC	454	exon11	191
disc04/29	f1/r1	GAGCTACAGCTCCAGGAAG	GAGCATGGTCCCAAGCACC	556	exon11/11'	265
disc05	f2/r2	GAAGCTTCCCTTTGTGTTCTGTC	CGGCAGCATCATTTGTTGCCATC	558	exon12	297
disc06	f1/r2	GCAGAGGGCCACGATCACC	CATCCCGTCACTCTCTCAGGC	560	exon13	203
disc07	f1/r1	CATGACAGCTGGTCCACGAAG	CAATCAGTCTCTCTCTCCATATTC	562	exon13	242
disc08	f1/r1	CAGTGTGAACACTGAGGAGTCTGC	CGTGAACAGGTATGATGACAGATC	564	exon13	296
disc09	f1/r1	CATTGGCTTCTGCTGCAACG	CTTCTTTCAGATGCAATCAATGCCAC	566	exon13	299
disc10	f1/r1	CAACCTCCAGTGATATGCCAC	CTGCTTACTGAGCACTGCATCTG	568	exon13	320
disc11	f2/r3	CAGTAACACAATACAGTACTCAGGC	CTGCATCTGTGTTACTGAGCATTCG	570	exon13	292
disc12	f2/r1	CTCAGGAGTGCATATCACTAGTG	ACTAGTGCCTCTGTGTTACTGAG	572	exon13	303
disc13	f1/r1	GTGTAGTCTCAGTAGGACAGC	GTACTTGACAGAGGGTACTC	574	exon13	297
disc14	f1/r2	CAAGTGCACCTGAGGAAGGTGG	GTGATGTAATCAGAGTTTGACTGG	576	exon13	311
disc15	f2/r3	CTCCTATTATATCCCATAGATCTAG	CAGAAGTGTGCACAGCATGG	578	exon13	335
disc16	f2/r2	CACTGGGCTTCCAGAGGCATC	CACTGGAATTAACCTCAAGGATTC	580	exon13	336
disc17	f2/r2	CATTTCATGATGAACCAATTCCTG	GCAGCAGGGAATGAACACACTATC	582	exon13	376
disc18	f2/r1	CTGCAAGTTAATAATCCCTTGAATTG	CTGCTGTATAGTATGATTGAGGATAC	584	exon13	307
disc19	f2/r1	CAACCTTCTCAGGACAAGCCAC	GTGACCATTTGAAGCCAGCATTC	586	exon13	314
disc20	f1/r2	GTGAGAACTGATTTGACTGGGATG	CTTGGGAGGCTGAGGCAGTAG	588	exon13	295
disc20	f2/r1	GCACATAGTGAATGATGAGTTAG	ATGCTGTAAACCCAGCTACTTG	590	exon13	334
disc21	f1/r2	CTCTACCTCCAGGTTCAAGC	GGTACCAACCGTTACATGTTCTGG	592	exon13	342
disc22	f2/r2	GCACCCGGCCAACTTCTG	CTCTGACTGTTAGGTTCACTATTAC	594	exon13	306
disc23	f1/r1	CTAAGGCACAGCTGTTAAATG	GATGATGGTGGGTGAATAGG	596	exon13	292
disc25	f2/r2	AGCCTCACTGTGAAGTCTAGGC	CTATCATCTCATCTCAAAGGAC	598	exon13	403
disc26	f1/r1	CACTGCTTCTGATTTTATGCTG	GAGGACAAACACAGATGTGCTGG	600	exon8	240
disc27	f2/r2	CTCGCTGAGGAGAGAAAGGAGC	GGCAGCCCTGACCTACGC	602	exon1	316
disc28	f2/r2	CTGTAGTGGTATGAATGTGGTTACC	CAGAAGCACTCTCTCTGGCTC	604	exon7	287
disc30	f1/r2	GCCAAATGCTGGAAGAAACAGC	TGCCAGCTCTCTCCGCTC	606	5'/promoter	168
disc31	f1/r1	CATCCCTCCATCTTCTCCATCAC	CACGCTGTGGAGCGGGC	608	5'/promoter	207
disc32	f2/r2	GAGTCAGTGCCTAGGAGCTTGC	GTGCAGGAAGCCTCCAGGATG	610	5'/promoter	279
disc33	f1/r2	CCTATCCCTGAACCATTCGAAGAG	CAGCAGCTCCGGGCTGGTTC	612	5'/promoter	300
disc34	f1/r2	CTGGGCCAGTAAGATCTGCATG	GAAACAGGCTCCGGACCAAG	614	exon2	285
disc35	f1/r1	CCAGACAGTGGCCCTTGACTC	GGCTGCAGCTGTGCTACTCAAC	616	exon2	318
disc36	f1/r1	CTGACGCGATGGAGCAAGGC	ACATCGGGGTCTCTGCTGAG	618	exon2	295
disc37	f1/r2	CAGAGAGGCTGAGTCCCATG	GCATCGGCTCCCATTTCTCTGAG	620	exon2	314
disc38	f1/r1	CCAGTTCTCTGGATCCCTCAC	GAGGAAGTCAGTTGAGCCCAAGAC	622	exon2	246
disc39	f2/r1	CAGTTTCTAAATGTTCTTAGTTTTCAC	GATGGAAGAAAATTTGGACATGATGAC	624	exon3	215
disc40	f2/r1	GTTCACATACAACTGGAGCTAAGAG	CTATGTGGGAGCTGAGAGGTAGG	626	exon4	308
disc41	f1/r2	CATGAGGATTCAGCTTCTGCATAC	GAGCTATGATTCACCACTGCTCC	628	exon5	291
disc42	f2/r2	CGACCTGACCCCACTGGTG	GACTGCCCCACACCTGTGAAG	630	exon6	300
disc43	f4/r2	GTTTGGTAGTTCTGTTGCATATGGC	GCATGGAAGGAATCTGACC	632	exon6	327

FIGURE 4

ID	PAIR	FORWARD	REVERSE	SEQ ID NOS	LOCATION	SIZE
disc01	f2/r2	CATTAGCTGCTAGATCTCC	TAAGGCACAGAAACATTTGCCTG	50	51 exon9	353
disc02	f3/r3	TTATTCAATTGTGACTGATGTC	CACCTGCTTTTCACTGATGG	52	53 exon10	280
disc03	f1/r2	GGTATGATGAACATCACTGAGTTC	CTAAGTCATCATCTGCTCTCATC	54	55 exon11	191
disc04/29	f1/r1	GAGCCTACAGCTCCAGGAAG	GAGCATGGTCCAAAGCACC	56	57 exon11/11'	265
disc05	f2/r2	GAAGCTTCCCTTTGTGTGTC	CGGCAGCTCAATTTGTGTCATC	58	59 exon12	297
disc06	f1/r2	GCAGAGGGCCACGATCACC	CATCCCGTCACTCTCTCAGGC	60	61 exon13	203
disc07	f1/r1	CATGACAGCTGGTCCACGAAG	CAATCAGTCTCTCTCCATATTC	62	63 exon13	242
disc08	f1/r1	CAGTGTGAACCTGAGAGTGTGC	CGTGAACAGGTATGATGACAGATC	64	65 exon13	296
disc09	f1/r1	CATTGGCTTCTGCTGCAAG	CTTTCCTCAGATGCAATGATGCCAC	66	67 exon13	299
disc10	f1/r1	CAACCTCCAGTGATGACAC	CTGCCCTACTGAGCACTGCACTG	68	69 exon13	320
disc11	f2/r3	CAGTAACACAAATACATCAGGC	CTGCACGTGTGTTACTGAGATTC	70	71 exon13	292
disc12	f2/r1	CTCAGGCAGTCAATACTCAGTG	ACTAGCTGCCCCGTGTACTGAG	72	73 exon13	303
disc13	f1/r1	GTGTAGTGTCTCAGTAGGACAGC	GTACTTGACCCAGAGAGGTACTC	74	75 exon13	297
disc14	f1/r2	CAAAGTGCACTGAGGAAGTGG	GTGATGTAATCAGAGTTTGGACTGG	76	77 exon13	311
disc15	f2/r3	CTCCTATTATATCCATAGATCTAG	CAGAAAGTGTGACAGCATGG	78	79 exon13	335
disc16	f2/r2	CACCTGGCTTCCAGAGGCATC	CACCTGGAATTAACCTCAAGATTC	80	81 exon13	336
disc17	f2/r2	CATTTCATATGATGAACAAATCTCTG	GCAGCAGGAAATGAACACACTATC	82	83 exon13	376
disc18	f2/r1	CTGCAAGTTAATACTGCCCTGAATTG	CTGCTGTATGATGATGAGGATAC	84	85 exon13	307
disc19	f2/r1	CAACCTTCTCAGGACAGCCAC	GTGACCAATTTGAAAGCCAGCATTC	86	87 exon13	314
disc20	f1/r2	GTTAGAATCTGATTTGACTGGGATG	CTTGGAGGCTGAGGCGATGAG	88	89 exon13	295
disc20	f2/r1	GCACATACTGGAATGATGATGATG	ATGCCCTGTAACCCAGCTACTTGG	90	91 exon13	334
disc21	f1/r2	CTCTACCTCCAGGTTCAAGC	GGTACCAACCGTTACATGTTCTGG	92	93 exon13	342
disc22	f2/r2	GCACCCGGCCAACTTTCTG	CTCTACTGTTAGGTTCACTATATAC	94	95 exon13	306
disc23	f1/r1	CTAAGGCACAGAGCTGGTAAATG	GATGATGGTGGGGTGAATAGG	96	97 exon13	292
disc25	f2/r2	AGCCTCACTGTGAAGTCTAGGC	CTATCATCCATATCTTCAAAGGAC	98	99 exon13	403
disc26	f1/r1	CACCTGCTTCTGATTTTGTGCTG	GAGGACAAAACACGATGTGCTGG	100	101 exon8	240
disc27	f2/r2	CTCGCTGAGGAGAGAAAGGAGC	GGCAGCCCTGACCTACGC	102	103 exon1	316
disc28	f2/r2	CTGTAGTGGTATGAAATTTGGTTACC	CAGAAGCACTCTCTCTGGCTC	104	105 exon7	287
disc30	f2/r1	GCCAATGCTGGAAGAAACAGC	TGCCAGCTCTCCCGCTC	106	107 5'/promoter	168
disc31	f1/r1	CATCCCTCCATCTTCTCCATCAC	CACGCTGTGGAGCGGGC	108	109 5'/promoter	207
disc32	f2/r2	GAGTCAGTTGCCTAGGAGCTTGC	GTGCAGGAAGCTCCAGGATG	110	111 5'/promoter	279
disc33	f1/r2	CCTATCCCTGAACATTTGCAAGAG	CAGCAGCTCCGGCTGGTTC	112	113 5'/promoter	300
disc34	f1/r2	CTGGGCCAGTAAGATCTGCATG	GAAACAGGGCTCCGGACCAAG	114	115 exon2	285
disc35	f1/r1	CCAGACAGTGTGGCTTGAATC	GGCTGCAGCTGTTGCTACTCAAC	116	117 exon2	318
disc36	f1/r1	CTGCAGGATGAGGCAAGGC	ACATCGGGGTCTCTGTGAG	118	119 exon2	295
disc37	f1/r2	CAGAGAGGCTGAGTCCCATTTG	GCACCTGGTCCCATTTCTGTAG	120	121 exon2	314
disc38	f1/r1	CCAGTTCTCTGGATCCCTCAC	GAGGAAGTCAGTTGAGCCCAAGAC	122	123 exon2	246
disc39	f2/r1	CAGTTTCTAAATGTTCTTAGTTTTCAC	GATGGAAGAAATTTGGACATGATGAC	124	125 exon3	215
disc40	f2/r1	GTTCACTACAACTGGAGCTAAGAG	CTATGTGGGAGCTGAGAGGTAGG	126	127 exon4	308
disc41	f1/r2	CATGAGGATTTCAAGTCTTGTGCATAC	GAGCTATGATTTGCACCACTGCC	128	129 exon5	291
disc42	f2/r2	CGACCTGACCCCACTGGTG	GACTGCCCAACACCGTGAGG	130	131 exon6	300
disc43	f4/r2	GTTTGGTAGTTCTGGTGCATATGGC	GCATGGAAGGGAATCTGACC	132	133 exon6	327

FIGURE 4